

Engineering-Named Majors

NAME:

Student ID #

Catalog Year:

Major:

General Education Core Course (availability varies each semester)

A. Basic skills (9 units) Complete one course in each category

A1	Oral Communication *	COMM 020, 020N, 040; HUM 002A ^{***} ; CCS 074
A2	Written Communication I *	ENGL 001A, ENGL 01AS, HUM001B ^{***}
A3	Critical Thinking & Writing *	Fulfilled Upon Completion of All Major Requirements

B. Science & Math (9 units) B 1-2-3 Fulfilled with Intensive Science Option

B1	Physical Science	PHYS 50 <u>and</u> PHYS 51 <u>and</u> CHEM 1A with a C- or better; CMPE and SE take BIO 10 instead of CHEM 1A. Other options are available, please check with an ESSC GE Advisor.
B2	Life Science	
B3	Laboratory Science	
B4	Mathematical Concepts *	Fulfilled With Grade of C- or Higher In: MATH 30 or 30P/PL or 31 or 32

C. Humanities & Arts (9 units) ENGL 1B is required unless ENGL 2 was completed; Complete a course in C1, C2, and an additional C1 or C2

C1	Arts	AMS 001A ^{**} ; ARTH 015, 070A, 070B, (ASIA) 070C, 72; CA 095; DANC 010; FORL 025; HUM 001A ^{***} ; KIN 068; MUSC 10A, 10B; MUSC/ASIA 019; PHIL 066; RTVF 010; TA 005, 010
C2	Letters	Engl 1B required; AMS 001B ^{**} ; CHIN 001A, 001B, 025A, 025B; ENGL 010, 020, 021, 022, 030, 040, 071, 078; FORL 025; FREN 001A, 001B, 025A, 025B; GERM 001A, 001B, 025A, 025B; HUM 001A ^{***} , 2B ^{***} , 10; JPN 001A, 001B, 025A, 025B; MUSC 012; PHIL 010, 061, 070A, 070B, POLS 003; PORT 001A, 001B, RELS 070, RELS/HUM/JWSS/MDES 090; SPAN 001A, 001B, 025A, 025B; TA 013
C3	Arts or Letters	Choose from C1 or C2

D: Social Sciences (9 units) Choose from any of the categories below

D	Any 3 from Human Behavior, Comparative Systems, Social Sciences	ANTH 011; CHAD 075; COMM 010, 021; ECON 001B; ENG/CS 025; ENVS 001; GEOG 010; HS/GERO/RECL 015; JOUR 050; LING 020, 024; CCS 030; PSYC 001; SOCI 001; WOMS 005Q, 010 AAS/AFAM/CCS 025, AAS 33A ^{**} ; AFAM 002A ^{**} ; AMS 001A ^{**} ; CCS 010A; GEOG 012; HIST 010A, 010B, 015; HUM 002A ^{**} ; POLS 002; WOMS/AAS 020 AAS 33B ^{**} ; AMS 001B ^{**} ; CCS 010B ^{**} ; HUM 001B ^{**} ; JS 025; MCOM 072; POLS 004, 015; SOCI 080
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E: Human Development

E	ENGR 10 (required and only satisfies Area E if taken at SJSU Fall 13 or later)
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American Institutions (graduation requirement: must complete US 1-2-3)

AI	US 1	US 1-2-3: All courses in these sequences must be completed to satisfy the requirement *** AAS 33A+33B; AFAM 002A+002B; AMS 001A+1B; CCS 010A+010B; HIST 15 + POLS 15; HUM1A-1B [^] + HUM2A+1B [^]	US 1 Only: HIST 015, 20A, 20B, 170, 170S
	US 2		US 2-3 Only: POLS 001, 015, 170V
	US 3		US 3 Only: HIST 189A, 189B; POLS 102

Physical Education Activity: waived for all College of Engineering students

Prerequisites to SJSU Studies

- Passed Writing Skills Test (WST) or LLD/Engl 100A
- Upper Division Standing (at least 60 earned units)
- Completed area A1, A2, A3, B1

SJSU Studies (Upper Division GE) Course (availability varies each semester)

All first baccalaureate students are required to have a minimum aggregate GPA of 2.0 in their SJSU Studies courses. Areas and courses marked with † require a grade of C or better. **Must be taken at SJSU.**

Area R	Earth & Environment and	ENGR 100W †
+ Z	Written Communication II †	
Area S	Self, Society & Equality in the U.S.	Can be fulfilled with ENGR 195A. <i>Other options may be available, ask your Major Advisor.</i>
Area V	Culture, Civilization & Global Understanding	Can be fulfilled with ENGR 195B. <i>Other options may be available, ask your Major Advisor.</i>

[^] = Eight GE areas, including third Area C, and all of American Institutions completed when the Humanities Honors sequence (HUM 1A/1B/2A/2B) is completed with grades of "C- or better."

* = Must complete course with a "C-" or higher

** = Must complete sequence

NOTE: This worksheet is NOT an official document. Official review of general education requirements is done by a Graduation Evaluator (Office of the Registrar personnel) as part of the Graduation Application and Verification Process. Advisors in the Engineering Student Success Center are as accurate as possible with the information available.

General Education Requirements

Each blank line on the worksheet represents a requirement that needs to be completed. This includes CORE GE (Areas A-E), American Institutions, and SJSU Studies. Other than the exceptions below, no single course can fulfill more than one requirement.

Sequences that fulfill multiple GE Areas:

- 1) **American Civilizations Sequence:** AMS 001A (6) + AMS 001B (6) [12 units total]
Completing entire sequence fulfills Areas C1, C2, D2, D3, US1, US2, and US3 for all majors and provides an Area D1 exception (meaning Area D1 is considered fulfilled) for College of Engineering majors.
These courses are 6 units each and should be considered the workload of at least 2 traditional courses.
NOTE: When looking at Degree Requirements for College of Engineering majors at info.sjsu.edu, AMS 1A and AMS 1B may be listed. These specific courses are not explicitly required, but are generally the most efficient way to complete lower division GE Requirements assuming no other credit or GE courses taken. While it may be the most efficient, it may not be the best match for you depending upon interests, AP credit, transfer credit, or other considerations.
- 2) **Specialized CORE GE/American Institutions Efficiencies**
Completing any of the four sequences noted below (one cannot mix and match), fulfills Areas D2, D3, and US1, US2, US3
In each case the "A" course fulfills Area D2 and the "B" course fulfills Area D3
 - CCS 010A (3) + CCS 010B (3) [must take entire series to cover US1, US2, US3]
 - AAS 033A (3) + AAS 033B (3) [must take entire series to cover US1, US2, US3]
 - AFAM 002A (3) + AFAM 002B (3) [must take entire series to cover US1, US2, US3]
 - HIST 015 (3) + POLS 015 (3) [HIST 015 fulfills D2 & US1; POLS 015 fulfills D3 & US2 & US3]
- 3) **Humanities Honors Sequence:** HUM 001A (6) + HUM 001B (6) + HUM 002A (6) + HUM 002B (6) [24 units total]
Completing entire sequence fulfills A1, A2, A3, C1, C2, C3, D2, D3, US1, US2, and US3 for all College of Engineering majors. For students in engineering named majors who *started the sequence in Fall 2015 or earlier* Area D1 is waived. This waiver does not hold for students starting the sequence in Fall 2016 or later.
NOTE: This sequence loses efficiency with any AP/IB or transfer credit for GE areas. It can also create scheduling and progress to degree challenges due to four semesters of a 6 unit course (particularly in the sophomore year).

SJSU Studies/Upper Division GE

Successfully passing the Writing Skills Test (WST) and completing at least 60 earned units are required to enroll in SJSU Studies Courses. See <http://testing.sjsu.edu/wst/> for more information. College of Engineering Majors take ENGR 100W which covers both Areas R and Z. Areas S and V are often fulfilled with coursework from the major (as noted on worksheet), otherwise students select from the approved University list.

Taking General Education Requirements at another Institution:

GE-Breadth Certification and Course-to-Course Articulation are distinct. Community Colleges may offer courses that do not articulate as a specific SJSU course but are still certified GE courses. Community Colleges may offer courses that articulate with an SJSU course for content but do not fulfill the same GE Area. SJSU honors the GE Certification Area for the course at its home institution. If a course counted toward Area C1 at XYZ CC, then SJSU will honor it as an Area C1 course. Visit <http://artic.sjsu.edu> or <http://assist.org> to see GE-Breadth Certification information for courses at California Community Colleges. *Note: The Community Colleges divide Area D into 10 categories, D1 – D0 while SJSU has D1, D2, D3. An Area D certified course in ANY of the 10 CC areas can be used to fulfill ANY Area D category at SJSU. Select CC courses can also double count for Area D and American Institutions requirements.*

GE Credit through Advanced Placement (AP), International Baccalaureate (IB), or Credit By Exam

Students may receive credit for passing scores received on AP/IB/CLEP exams. These courses count as ungraded, earned credit that may fulfill GE or Major requirements. For a list of standardized exams accepted for credit at SJSU, visit: <http://info.sjsu.edu/static/catalog/cbe.html>. Credit is only posted to your SJSU record after verification from an official score report.

What is Catalog Year and why it is important?

San Jose State University issues a new catalog every year which is the official record of all degree requirements at SJSU. These degree requirements may change from one catalog to the next. A student who has been in continuous attendance may choose to meet the SJSU graduation requirements for their degree in force at the time they entered SJSU or any requirements up to and including term of graduation. The default is the catalog in place at the time of initial matriculation. Speak with your major advisor if you have questions about your specific catalog year and how it relates to your major requirements.

You can follow your degree progress at any time through the "Academic Requirements" page in my.sjsu.edu.

Questions? Contact the Engineering Student Success Center:

408.924.3990

success-engineering@sjsu.edu

engineering.sjsu.edu/essc

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